

NETWORK ADDRESS TRANSLATION ROUTER AND RELATED METHOD

Abstract

A network address translation (NAT)-enabled device such as a router or gateway device includes a NAT facility for connecting at least two hosts inside a first network to a second network allowing the inside hosts to share an address of the second network, a gateway interface for connecting to a demilitarized zone (DMZ) host inside the first network, a disposer connected to the gateway interface for assigning an address of the second network to the DMZ host, and a dispatcher connected to the gateway interface and the NAT facility for communicating messages between the second network and the gateway interface or the NAT facility according to a medium access control (MAC) address of the message.